

1. An organic azide compound having the formula:



wherein Ar is an aromatic or a heteroaromatic radical derived from the group  
5 consisting of benzenes, polyfluorobenzenes, naphthalenes, naphthoquinones,  
anthracenes, anthraquinones, phenanthrenes, tetracenes, naphthacenediones,  
pyridines, quinolines, isoquinolines, indoles, isoindoles, pyrroles, imidazoles,  
pyrazoles, pyrazines, purines, benzimidazoles, benzofurans, dibenzofurans,  
carbazoles, acridines, acridones, phenanthridines, thiophenes,  
10 benzothiophenes, dibenzothiophenes, xanthenes, xanthones, flavones,  
coumarins, and anthacylines;

E is selected from the group consisting of somatostatin  
receptor binding molecules, ST receptor binding molecules, neurotensin receptor  
binding molecules, bombesin receptor binding molecules, CCK receptor binding  
15 molecules, steroid receptor binding molecules, and carbohydrate receptor  
binding molecules;

L is selected from the group consisting of  $-(CH_2)_a-$ ,  $-(CH_2)_bCONR^1-$ ,  
 $-N(R^2)CO(CH_2)_c-$ ,  $-OCO(CH_2)_d-$ ,  $-(CH_2)_eCO_2-$ ,  $-OCONH-$ ,  $-OCO_2-$ ,  $-HNCONH-$ ,  
 $-HNCSNH-$ ,  $-HNNHCO-$ ,  $-OSO_2-$ ,  $-NR^3(CH_2)_eCONR^4-$ ,  $-CONR^5(CH_2)_fNR^6CO-$ ,  
20 and  $-NR^7CO(CH_2)_gCONR^8-$ ;

X is either a single bond or is selected from the group consisting of  
 $-(CH_2)_h-$ ,  $-OCO-$ ,  $-HNCO-$ ,  $-(CH_2)_iCO-$ , and  $-(CH_2)_jOCO-$ ;

$R^1$  to  $R^8$  are independently selected from the group consisting

of hydrogen, C1-C10 alkyl, -OH, C1-C10 polyhydroxyalkyl, C1-C10 alkoxy, C1-C10 alkoxyalkyl, -SO<sub>3</sub>H, -(CH<sub>2</sub>)<sub>k</sub>CO<sub>2</sub>H, and -(CH<sub>2</sub>)<sub>l</sub>NR<sup>9</sup>R<sup>10</sup>;

R<sup>9</sup> and R<sup>10</sup> are independently selected from the group consisting of hydrogen, C1-C10 alkyl, C5-C10 aryl, and C1-C10

5 polyhydroxyalkyl; and

a to l independently range from 0 to 10.

2. The compound of claim 1 wherein Ar is an aromatic or heteroaromatic radical derived from polyfluorobenzenes; E is selected from the group consisting of somatostatin receptor binding molecules, ST receptor binding molecules, neurotensin receptor binding molecules, bombesin receptor binding molecules, CCK receptor binding molecules, and steroid receptor binding molecules; L is selected from the group consisting of -(CH<sub>2</sub>)<sub>b</sub>CONR<sup>1</sup>-, -N(R<sup>2</sup>)CO(CH<sub>2</sub>)<sub>c</sub>-, -OCO(CH<sub>2</sub>)<sub>d</sub>-(CH<sub>2</sub>)<sub>e</sub>CO<sub>2</sub>-, -HNCONH-, -HNCSNH-, and -NR<sup>7</sup>CO(CH<sub>2</sub>)<sub>g</sub>CONR<sup>8</sup>-; X is either a single bond or is selected from the group consisting of -(CH<sub>2</sub>)<sub>h</sub>-, -OCO-, -(CH<sub>2</sub>)<sub>i</sub>CO-, and -(CH<sub>2</sub>)<sub>j</sub>OCO-, R<sup>1</sup>, R<sup>2</sup>, R<sup>7</sup> and R<sup>8</sup> are independently selected from the group consisting of hydrogen, C1-C10 alkyl, C1-C10 polyhydroxyalkyl, -(CH<sub>2</sub>)<sub>k</sub>CO<sub>2</sub>H, and -(CH<sub>2</sub>)<sub>l</sub>NR<sup>9</sup>R<sup>10</sup>; R<sup>9</sup> and R<sup>10</sup> are independently selected from the group consisting of hydrogen, C1-C10 alkyl, and C1-C10 polyhydroxyalkyl; and subscripts b-e and g-j independently range from 0 to 6.

3. The compound of claim 1 wherein Ar is an aromatic or heteroaromatic radical derived from anthraquinones; E is selected from the group consisting of somatostatin receptor binding molecules, ST receptor binding molecules, neurotensin receptor binding molecules, bombesin receptor binding molecules, CCK receptor binding molecules, and steroid receptor binding molecules; L is selected from the group consisting of  $-(CH_2)_bCONR^1-$ ,  $-N(R^2)CO(CH_2)_c-$ ,  $-OCO(CH_2)_d-$ ,  $-(CH_2)_eCO_2-$ ,  $-HNCONH-$ ,  $-HNCSNH-$ , and  $-NR^7CO(CH_2)_gCONR^8-$ ; X is either a single bond or is selected from the group consisting of  $-(CH_2)_h-$ ,  $-OCO-$ ,  $-(CH_2)_iCO-$ , and  $-(CH_2)_jOCO-$ ,  $R^1$ ,  $R^2$ ,  $R^7$  and  $R^8$  are independently selected from the group consisting of hydrogen, C1-C10 alkyl, C1-C10 polyhydroxyalkyl,  $-(CH_2)_kCO_2H$ , and  $-(CH_2)_lNR^9R^{10}$ ;  $R^9$  and  $R^{10}$  are independently selected from the group consisting of hydrogen, C1-C10 alkyl, and C1-C10 polyhydroxyalkyl; and subscripts b-e and g-j independently range from 0 to 6.

4. The compound of claim 1 wherein Ar is an aromatic or heteroaromatic radical derived from naphthacenediones; E is selected from the group consisting of somatostatin receptor binding molecules, ST receptor binding molecules, neurotensin receptor binding molecules, bombesin receptor binding molecules, CCK receptor binding molecules, and steroid receptor binding molecules; L is selected from the group consisting of  $-(CH_2)_bCONR^1-$ ,  $-N(R^2)CO(CH_2)_c-$ ,  $-OCO(CH_2)_d-$ ,  $-(CH_2)_eCO_2-$ ,  $-HNCONH-$ ,  $-HNCSNH-$ , and  $-NR^7CO(CH_2)_gCONR^8-$ ; X is either a single bond or is selected from the group

consisting of  $-(CH_2)_h-$ ,  $-OCO-$ ,  $-(CH_2)_iCO-$ , and  $-(CH_2)_jOCO-$ ,  $R^1$ ,  $R^2$ ,  $R^7$  and  $R^8$  are independently selected from the group consisting of hydrogen, C1-C10 alkyl, C1-C10 polyhydroxyalkyl,  $-(CH_2)_kCO_2H$ , and  $-(CH_2)_lNR^9R^{10}$ ;  $R^9$  and  $R^{10}$  are independently selected from the group consisting of hydrogen, C1-C10 alkyl, and C1-C10 polyhydroxyalkyl; and subscripts b-e and g-j independently range from 0 to 6.

5. The compound of claim 1 wherein Ar is an aromatic or heteroaromatic radical derived from indoles; E is selected from the group consisting of somatostatin receptor binding molecules, ST receptor binding molecules, neurotensin receptor binding molecules, bombesin receptor binding molecules, CCK receptor binding molecules, and steroid receptor binding molecules; L is selected from the group consisting of  $-(CH_2)_bCONR^1-$ ,  $-N(R^2)CO(CH_2)_c-$ ,  $-OCO(CH_2)_d-$ ,  $-(CH_2)_eCO_2-$ ,  $-HNCONH-$ ,  $-HNCSNH-$ , and  $-NR^7CO(CH_2)_gCONR^8-$ ; X is either a single bond or is selected from the group consisting of  $-(CH_2)_h-$ ,  $-OCO-$ ,  $-(CH_2)_iCO-$ , and  $-(CH_2)_jOCO-$ ,  $R^1$ ,  $R^2$ ,  $R^7$  and  $R^8$  are independently selected from the group consisting of hydrogen, C1-C10 alkyl, C1-C10 polyhydroxyalkyl,  $-(CH_2)_kCO_2H$ , and  $-(CH_2)_lNR^9R^{10}$ ;  $R^9$  and  $R^{10}$  are independently selected from the group consisting of hydrogen, C1-C10 alkyl, and C1-C10 polyhydroxyalkyl; and subscripts b-e and g-j independently range from 0 to 6.

6. The compound of claim 1 wherein Ar is an aromatic or heteroaromatic radical derived from acridines; E is selected from the group consisting of somatostatin receptor binding molecules, ST receptor binding molecules, neurotensin receptor binding molecules, bombesin receptor binding molecules, CCK receptor binding molecules, and steroid receptor binding molecules; L is selected from the group consisting of  $-(CH_2)_bCONR^1-$ ,  $-N(R^2)CO(CH_2)_c-$ ,  $-OCO(CH_2)_d-$ ,  $-(CH_2)_eCO_2-$ ,  $-HNCONH-$ ,  $-HNCSNH-$ , and  $-NR^7CO(CH_2)_gCONR^8-$ ; X is either a single bond or is selected from the group consisting of  $-(CH_2)_h-$ ,  $-OCO-$ ,  $-(CH_2)_iCO-$ , and  $-(CH_2)_jOCO-$ ;  $R^1$ ,  $R^2$ ,  $R^7$  and  $R^8$  are independently selected from the group consisting of hydrogen, C1-C10 alkyl, C1-C10 polyhydroxyalkyl,  $-(CH_2)_kCO_2H$ , and  $-(CH_2)_lNR^9R^{10}$ ;  $R^9$  and  $R^{10}$  are independently selected from the group consisting of hydrogen, C1-C10 alkyl, and C1-C10 polyhydroxyalkyl; and subscripts b-e and g-j independently range from 0 to 6.

7. The compound of claim 1 wherein Ar is an aromatic or heteroaromatic radical derived from acridones; E is selected from the group consisting of somatostatin receptor binding molecules, ST receptor binding molecules, neurotensin receptor binding molecules, bombesin receptor binding molecules, CCK receptor binding molecules, and steroid receptor binding molecules; L is selected from the group consisting of  $-(CH_2)_bCONR^1-$ ,  $-N(R^2)CO(CH_2)_c-$ ,  $-OCO(CH_2)_d-$ ,  $-(CH_2)_eCO_2-$ ,  $-HNCONH-$ ,  $-HNCSNH-$ , and  $-NR^7CO(CH_2)_gCONR^8-$ ; X is either a single bond or is selected from the group consisting of  $-(CH_2)_h-$ ,  $-OCO-$ ,  $-(CH_2)_iCO-$ , and  $-(CH_2)_jOCO-$ ;  $R^1$ ,  $R^2$ ,  $R^7$  and  $R^8$  are independently selected from the group consisting of hydrogen, C1-C10

alkyl, C1-C10 polyhydroxyalkyl,  $-(CH_2)_kCO_2H$ , and  $-(CH_2)_lNR^9R^{10}$ ;  $R^9$  and  $R^{10}$  are independently selected from the group consisting of hydrogen, C1-C10 alkyl, and C1-C10 polyhydroxyalkyl; and subscripts b-e and g-j independently range from 0 to 6.

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8. The compound of claim 1 wherein Ar is an aromatic or heteroaromatic radical derived from phenanthridines; E is selected from the group consisting of somatostatin receptor binding molecules, ST receptor binding molecules, neurotensin receptor binding molecules, bombesin  
5 receptor binding molecules, CCK receptor binding molecules, and steroid receptor binding molecules; L is selected from the group consisting of  $-(CH_2)_bCONR^1-$ ,  $-N(R^2)CO(CH_2)_c-$ ,  $-OCO(CH_2)_d-$ ,  $-(CH_2)_eCO_2-$ ,  $-HNCONH-$ ,  $-HNCSNH-$ , and  $-NR^7CO(CH_2)_gCONR^8-$ ; X is either a single bond or is selected from the group consisting of  $-(CH_2)_h-$ ,  $-OCO-$ ,  $-(CH_2)_iCO-$ , and  
10  $-(CH_2)_jOCO-$ ;  $R^1$ ,  $R^2$ ,  $R^7$  and  $R^8$  are independently selected from the group consisting of hydrogen, C1-C10 alkyl, C1-C10 polyhydroxyalkyl,  $-(CH_2)_kCO_2H$ , and  $-(CH_2)_lNR^9R^{10}$ ;  $R^9$  and  $R^{10}$  are independently selected from the group consisting of hydrogen, C1-C10 alkyl, and C1-C10 polyhydroxyalkyl; and subscripts b-e and g-j independently range from 0 to 6.

9. The compound of claim 1 wherein Ar is an aromatic or heteroaromatic radical derived from xanthenes; E is selected from the group consisting of somatostatin receptor binding molecules, ST receptor binding  
5 molecules, neurotensin receptor binding molecules, bombesin receptor binding molecules, CCK receptor binding molecules, and steroid receptor

binding molecules; L is selected from the group consisting of  $-(CH_2)_bCONR^1-$ ,  $-N(R^2)CO(CH_2)_c-$ ,  $-OCO(CH_2)_d-$ ,  $-(CH_2)_eCO_2-$ ,  $-HNCONH-$ ,  $-HNCSNH-$ , and  $-NR^7CO(CH_2)_gCONR^8-$ ; X is either a single bond or is selected from the group consisting of  $-(CH_2)_h-$ ,  $-OCO-$ ,  $-(CH_2)_iCO-$ , and  $-(CH_2)_jOCO-$ ;  $R^1$ ,  $R^2$ ,  $R^7$  and  $R^8$  are independently selected from the group consisting of hydrogen, C1-C10 alkyl, C1-C10 polyhydroxyalkyl,  $-(CH_2)_kCO_2H$ , and  $-(CH_2)_lNR^9R^{10}$ ;  $R^9$  and  $R^{10}$  are independently selected from the group consisting of hydrogen, C1-C10 alkyl, and C1-C10 polyhydroxyalkyl; and subscripts b-e and g-j independently range from 0 to 6.

10. The compound of claim 1 wherein Ar is an aromatic or heteroaromatic radical derived from anthracyclines; E is selected from the group consisting of somatostatin receptor binding molecules, ST receptor binding molecules, neurotensin receptor binding molecules, bombesin receptor binding molecules, CCK receptor binding molecules, and steroid receptor binding molecules; L is selected from the group consisting of  $-(CH_2)_bCONR^1-$ ,  $-N(R^2)CO(CH_2)_c-$ ,  $-OCO(CH_2)_d-$ ,  $-(CH_2)_eCO_2-$ ,  $-HNCONH-$ ,  $-HNCSNH-$ , and  $-NR^7CO(CH_2)_gCONR^8-$ ; X is either a single bond or is selected from the group consisting of  $-(CH_2)_h-$ ,  $-OCO-$ ,  $-(CH_2)_iCO-$ , and  $-(CH_2)_jOCO-$ ;  $R^1$ ,  $R^2$ ,  $R^7$  and  $R^8$  are independently selected from the group consisting of hydrogen, C1-C10 alkyl, C1-C10 polyhydroxyalkyl,  $-(CH_2)_kCO_2H$ , and  $-(CH_2)_lNR^9R^{10}$ ;  $R^9$  and  $R^{10}$  are independently selected from the group consisting of hydrogen, C1-C10 alkyl, and C1-C10 polyhydroxyalkyl; and subscripts b-e and g-j independently range from 0 to 6.

11. A method of performing a phototherapeutic procedure which comprises:

(a) administering an effective amount of an organic azide photosensitizer having the formula

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wherein Ar is an aromatic or a heteroaromatic radical derived from the group consisting of benzenes, polyfluorobenzenes, naphthalenes, naphthoquinones, anthracenes, anthraquinones, phenanthrenes, tetracenes, naphthacenediones, pyridines, quinolines, isoquinolines, indoles, isoindoles, pyrroles, imidazoles, pyrazoles, pyrazines, purines, benzimidazoles, benzofurans, dibenzofurans, carbazoles, acridines, acridones, phenanthridines, thiophenes, benzothiophenes, dibenzothiophenes, xanthenes, xanthones, flavones, coumarins, and anthacylines; E is selected from the group consisting of somatostatin receptor binding molecules, ST receptor binding molecules, neurotensin receptor binding molecules, bombesin receptor binding molecules, CCK receptor binding molecules, steroid receptor binding molecules, and carbohydrate receptor binding molecules; L is selected from the group consisting of  $-(CH_2)_a-$ ,  $-(CH_2)_bCONR^1-$ ,  $-N(R^2)CO(CH_2)_c-$ ,  $-OCO(CH_2)_d-$ ,  $-(CH_2)_eCO_2-$ ,  $-OCONH-$ ,  $-OCO_2-$ ,  $-NCONH-$ ,  $-HNCSNH-$ ,  $-HNNHCO-$ ,  $-OSO_2-$ ,  $-NR^3(CH_2)_eCONR^4-$ ,  $-CONR^5(CH_2)_fNR^6CO-$ , and  $-NR^7CO(CH_2)_gCONR^8-$ ; X is either a single bond or is selected from the group consisting of  $-(CH_2)_h-$ ,  $-OCO-$ ,  $-HNCO-$ ,  $-(CH_2)_iCO-$ , and  $-(CH_2)_jOCO-$ ;  $R^1$  to  $R^8$  are independently selected from the group consisting of hydrogen, C1-C10 alkyl, -OH, C1-C10 polyhydroxyalkyl, C1-C10 alkoxy, C1-C10

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alkoxyalkyl,  $-\text{SO}_3\text{H}$ ,  $-(\text{CH}_2)_k\text{CO}_2\text{H}$ , and  $-(\text{CH}_2)_l\text{NR}^9\text{R}^{10}$ ;  $\text{R}^9$  and  $\text{R}^{10}$  are independently selected from the group consisting of hydrogen, C1-C10 alkyl, C5-C10 aryl, and C1-C10 polyhydroxyalkyl; and subscripts a to l independently range from 0 to 10; and

- 5 (b) exposing said target tissues with the light of wavelength between 300 and 950 nm with sufficient power and fluence rate to perform the phototherapeutic procedure.

12. The method of claim 11, wherein Ar is an aromatic or heteroaromatic radical derived from polyfluorobenzenes; E is selected from the group consisting of somatostatin receptor binding molecules, ST receptor binding molecules, neurotensin receptor binding molecules, bombesin receptor binding molecules, CCK receptor binding molecules, and steroid receptor binding molecules; L is selected from the group consisting of  $-(\text{CH}_2)_b\text{CONR}^1-$ ,  $-\text{N}(\text{R}^2)\text{CO}(\text{CH}_2)_c-$ ,  $-\text{OCO}(\text{CH}_2)_d-$ ,  $-(\text{CH}_2)_e\text{CO}_2-$ ,  $-\text{HNCONH}-$ ,  $-\text{HNCSNH}-$ , and  $-\text{NR}^7\text{CO}(\text{CH}_2)_g\text{CONR}^8-$ ; X is either a single bond or is selected from the group consisting of  $-(\text{CH}_2)_h-$ ,  $-\text{OCO}-$ ,  $-(\text{CH}_2)_i\text{CO}-$ , and  $-(\text{CH}_2)_j\text{OCO}-$ ;  $\text{R}^1$ ,  $\text{R}^2$ ,  $\text{R}^7$  and  $\text{R}^8$  are independently selected from the group consisting of hydrogen, C1-C10 alkyl, C1-C10 polyhydroxyalkyl,  $-(\text{CH}_2)_k\text{CO}_2\text{H}$ , and  $-(\text{CH}_2)_l\text{NR}^9\text{R}^{10}$ ;  $\text{R}^9$  and  $\text{R}^{10}$  are independently selected from the group consisting of hydrogen, C1-C10 alkyl, and C1-C10 polyhydroxyalkyl; and subscripts b-e and g-j independently range from 0 to 6.
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13. The method of claim 11, wherein Ar is an aromatic or heteroaromatic radical derived from anthraquinones; E is selected from the group consisting of somatostatin receptor binding molecules, ST receptor binding molecules, neurotensin receptor binding molecules, bombesin receptor binding molecules, CCK receptor binding molecules, and steroid receptor binding molecules; L is selected from the group consisting of  $-(CH_2)_bCONR^1-$ ,  $-N(R^2)CO(CH_2)_c-$ ,  $-OCO(CH_2)_d-$ ,  $-(CH_2)_eCO_2-$ ,  $-HNCONH-$ ,  $-HNCSNH-$ , and  $-NR^7CO(CH_2)_gCONR^8-$ ; X is either a single bond or is selected from the group consisting of  $-(CH_2)_h-$ ,  $-OCO-$ ,  $-(CH_2)_iCO-$ , and  $-(CH_2)_jOCO-$ .  $R^1$ ,  $R^2$ ,  $R^7$  and  $R^8$  are independently selected from the group consisting of hydrogen, C1-C10 alkyl, C1-C10 polyhydroxyalkyl,  $-(CH_2)_kCO_2H$ , and  $-(CH_2)_lNR^9R^{10}$ ;  $R^9$  and  $R^{10}$  are independently selected from the group consisting of hydrogen, C1-C10 alkyl, and C1-C10 polyhydroxyalkyl; and subscripts b-e and g-j independently range from 0 to 6.

14. The method of claim 11, wherein Ar is an aromatic or heteroaromatic radical derived from naphthacenediones; E is selected from the group consisting of somatostatin receptor binding molecules, ST receptor binding molecules, neurotensin receptor binding molecules, bombesin receptor binding molecules, CCK receptor binding molecules, and steroid receptor binding molecules; L is selected from the group consisting of  $-(CH_2)_bCONR^1-$ ,  $-N(R^2)CO(CH_2)_c-$ ,  $-OCO(CH_2)_d-$ ,  $-(CH_2)_eCO_2-$ ,  $-HNCONH-$ ,  $-HNCSNH-$ , and  $-NR^7CO(CH_2)_gCONR^8-$ ; X is either a single bond or is selected from the group consisting of  $-(CH_2)_h-$ ,  $-OCO-$ ,  $-(CH_2)_iCO-$ , and  $-(CH_2)_jOCO-$ .  $R^1$ ,  $R^2$ ,  $R^7$  and  $R^8$  are independently selected from the group

consisting of hydrogen, C1-C10 alkyl, C1-C10 polyhydroxyalkyl,  $-(CH_2)_kCO_2H$ , and  $-(CH_2)_lNR^9R^{10}$ ;  $R^9$  and  $R^{10}$  are independently selected from the group consisting of hydrogen, C1-C10 alkyl, and C1-C10 polyhydroxyalkyl; and subscripts b-e and g-j independently range from 0 to 6

15. The method of claim 11, wherein Ar is an aromatic or heteroaromatic radical derived from indoles; E is selected from the group consisting of somatostatin receptor binding molecules, ST receptor binding molecules, neurotensin receptor binding molecules, bombesin receptor binding molecules, CCK receptor binding molecules, and steroid receptor binding molecules; L is selected from the group consisting of  $-(CH_2)_bCONR^1-$ ,  $-N(R^2)CO(CH_2)_c-$ ,  $-OCO(CH_2)_d-$ ,  $-(CH_2)_eCO_2-$ ,  $-HNCONH-$ ,  $-HNCSNH-$ , and  $-NR^7CO(CH_2)_gCONR^8-$ ; X is either a single bond or is selected from the group consisting of  $-(CH_2)_h-$ ,  $-OCO-$ ,  $-(CH_2)_iCO-$ , and  $-(CH_2)_jOCO-$ ;  $R^1$ ,  $R^2$ ,  $R^7$  and  $R^8$  are independently selected from the group consisting of hydrogen, C1-C10 alkyl, C1-C10 polyhydroxyalkyl,  $-(CH_2)_kCO_2H$ , and  $-(CH_2)_lNR^9R^{10}$ ;  $R^9$  and  $R^{10}$  are independently selected from the group consisting of hydrogen, C1-C10 alkyl, and C1-C10 polyhydroxyalkyl; and subscripts b-e and g-j independently range from 0 to 6.

16. The method of claim 11, wherein Ar is an aromatic or heteroaromatic radical derived from acridines; E is selected from the group consisting of somatostatin receptor binding molecules, ST receptor binding molecules, neurotensin receptor binding molecules, bombesin receptor binding molecules, CCK receptor binding molecules, and steroid receptor binding molecules; L is selected from the group consisting of  $-(CH_2)_bCONR^1-$ ,  $-N(R^2)CO(CH_2)_c-$ ,  $-OCO(CH_2)_d-$ ,  $-(CH_2)_eCO_2-$ ,  $-HNCONH-$ ,  $-HNCSNH-$ , and  $-NR^7CO(CH_2)_gCONR^8-$ ; X is either a single bond or is selected from the group consisting of  $-(CH_2)_h-$ ,  $-OCO-$ ,  $-(CH_2)_iCO-$ , and  $-(CH_2)_jOCO-$ ;  $R^1$ ,  $R^2$ ,  $R^7$  and  $R^8$  are independently selected from the group consisting of hydrogen, C1-C10 alkyl, C1-C10 polyhydroxyalkyl,  $-(CH_2)_kCO_2H$ , and  $-(CH_2)_lNR^9R^{10}$ ;  $R^9$  and  $R^{10}$  are independently selected from the group consisting of hydrogen, C1-C10 alkyl, and C1-C10 polyhydroxyalkyl; and subscripts b-e and g-j independently range from 0 to 6.

17. The method of claim 11, wherein Ar is an aromatic or heteroaromatic radical derived from acridones; E is selected from the group consisting of somatostatin receptor binding molecules, ST receptor binding molecules, neurotensin receptor binding molecules, bombesin receptor binding molecules, CCK receptor binding molecules, and steroid receptor binding molecules; L is selected from the group consisting of  $-(CH_2)_bCONR^1-$ ,  $-N(R^2)CO(CH_2)_c-$ ,  $-OCO(CH_2)_d-$ ,  $-(CH_2)_eCO_2-$ ,  $-HNCONH-$ ,  $-HNCSNH-$ , and  $-NR^7CO(CH_2)_gCONR^8-$ ; X is either a single bond or is selected from the group consisting of  $-(CH_2)_h-$ ,  $-OCO-$ ,  $-(CH_2)_iCO-$ , and  $-(CH_2)_jOCO-$ ;  $R^1$ ,  $R^2$ ,  $R^7$  and  $R^8$  are independently selected from the group consisting of hydrogen, C1-C10 alkyl, and C1-C10 polyhydroxyalkyl; and subscripts b-e and g-j independently range from 0 to 6.

alkyl, C1-C10 polyhydroxyalkyl,  $-(CH_2)_kCO_2H$ , and  $-(CH_2)_iNR^9R^{10}$ ;  $R^9$  and  $R^{10}$  are independently selected from the group consisting of hydrogen, C1-C10 alkyl, and C1-C10 polyhydroxyalkyl; and subscripts b-e and g-j independently range from 0 to 6.

18. The method of claim 11, wherein Ar is an aromatic or heteroaromatic radical derived from phenanthridines; E is selected from the group consisting of somatostatin receptor binding molecules, ST receptor binding molecules, neurotensin receptor binding molecules, bombesin receptor binding molecules, CCK receptor binding molecules, and steroid receptor binding molecules; L is selected from the group consisting of  $-(CH_2)_bCONR^1-$ ,  $-N(R^2)CO(CH_2)_c-$ ,  $-OCO(CH_2)_d-$ ,  $-(CH_2)_eCO_2-$ ,  $-HNCONH-$ ,  $-HNCSNH-$ , and  $-NR^7CO(CH_2)_gCONR^8-$ ; X is either a single bond or is selected from the group consisting of  $-(CH_2)_h-$ ,  $-OCO-$ ,  $-(CH_2)_iCO-$ , and  $-(CH_2)_jOCO-$ ;  $R^1$ ,  $R^2$ ,  $R^7$  and  $R^8$  are independently selected from the group consisting of hydrogen, C1-C10 alkyl, C1-C10 polyhydroxyalkyl,  $-(CH_2)_kCO_2H$ , and  $-(CH_2)_iNR^9R^{10}$ ;  $R^9$  and  $R^{10}$  are independently selected from the group consisting of hydrogen, C1-C10 alkyl, and C1-C10 polyhydroxyalkyl; and subscripts b-e and g-j independently range from 0 to 6.

19. The method of claim 11, wherein Ar is an aromatic or heteroaromatic radical derived from xanthenes; E is selected from the group consisting of somatostatin receptor binding molecules, ST receptor binding molecules, neurotensin receptor binding molecules, bombesin receptor binding molecules, CCK receptor binding molecules, and steroid receptor

binding molecules; L is selected from the group consisting of  $-(CH_2)_bCONR^1-$ ,  $-N(R^2)CO(CH_2)_c-$ ,  $-OCO(CH_2)_d-$ ,  $-(CH_2)_eCO_2-$ ,  $-HNCONH-$ ,  $-HNCSNH-$ , and  $-NR^7CO(CH_2)_gCONR^8-$ ; X is either a single bond or is selected from the group consisting of  $-(CH_2)_h-$ ,  $-OCO-$ ,  $-(CH_2)_iCO-$ , and  $-(CH_2)_jOCO-$ ;  $R^1$ ,  $R^2$ ,  $R^7$  and  $R^8$  are independently selected from the group consisting of hydrogen, C1-C10 alkyl, C1-C10 polyhydroxyalkyl,  $-(CH_2)_kCO_2H$ , and  $-(CH_2)_lNR^9R^{10}$ ;  $R^9$  and  $R^{10}$  are independently selected from the group consisting of hydrogen, C1-C10 alkyl, and C1-C10 polyhydroxyalkyl; and subscripts b-e and g-j independently range from 0 to 6.

20. The method of claim 11, wherein Ar is an aromatic or heteroaromatic radical derived from anthracyclines; E is selected from the group consisting of somatostatin receptor binding molecules, ST receptor binding molecules, neurotensin receptor binding molecules, bombesin receptor binding molecules, CCK receptor binding molecules, and steroid receptor binding molecules; L is selected from the group consisting of  $-(CH_2)_bCONR^1-$ ,  $-N(R^2)CO(CH_2)_c-$ ,  $-OCO(CH_2)_d-$ ,  $-(CH_2)_eCO_2-$ ,  $-HNCONH-$ ,  $-HNCSNH-$ , and  $-NR^7CO(CH_2)_gCONR^8-$ ; X is either a single bond or is selected from the group consisting of  $-(CH_2)_h-$ ,  $-OCO-$ ,  $-(CH_2)_iCO-$ , and  $-(CH_2)_jOCO-$ ;  $R^1$ ,  $R^2$ ,  $R^7$  and  $R^8$  are independently selected from the group consisting of hydrogen, C1-C10 alkyl, C1-C10 polyhydroxyalkyl,  $-(CH_2)_kCO_2H$ , and  $-(CH_2)_lNR^9R^{10}$ ;  $R^9$  and  $R^{10}$  are independently selected from the group consisting of hydrogen, C1-C10 alkyl, and C1-C10 polyhydroxyalkyl; and subscripts b-e and g-j independently range from 0 to 6.